

• THE YEAR'S BEST SELLER •

Da-Nite

ACRATHERM



by

MINNEAPOLIS-HONEYWELL

... Provides real

When installing AUTOMATIC HEAT there are three major points which should not be overlooked. Will your installation provide . . . (1) real economy of operation, (2) the comfort you expect, and, (3) the convenience you are entitled to? The automatic controls which govern the operation of your burner can give you all three . . . **and more**. Consequently, your **first** consideration should be the selection of the **right** Room Thermostat.

There is a great difference in Thermostats. . . . Few people realize that a Thermostat can do more than simply start and stop an automatic burner. The *Da-Nite Acratherm* does **much** more.

With the *Da-Nite Acratherm* in control of your automatic burner you are certain of the maximum in fuel economy. Lowered night temperature with automatic return to the day time temperature level provides the savings in fuel consumption.

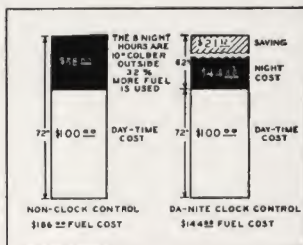
Accurate control with "leveled heat" day in and day out is assured, for the *Da-Nite Acratherm* operates on the exclusive Minneapolis-Honeywell principle of "heat acceleration".

Think of the convenience of being able to set the instrument for the temperature you require during the day and knowing that that temperature will be held constant, regardless of the existing outside weather conditions . . . then to be able to lower that temperature at night so that you sleep in cool rooms, or during the day, if you are away and yet have the lowered temperature automatically stepped up before you arise or return to your home! This means warm rooms to dress in . . . and actually some two hundred hours of additional sleep each year!

Fuel Economy

FUEL ECONOMY

Lowered night temperature is essential. . . . The occupants of your home require satisfying comfort about 16 hours each day, but the remaining eight hours are devoted to sleep, when it would mean an unnecessary waste of fuel to maintain the daytime temperature level. Accurate tests have proven that fuel is saved at the rate of 3.2 per cent per degree of lowered temperature. Therefore, during the time the temperature in your home is reduced, say 10 degrees, you can save 32 per cent (3.2 per cent for each degree) of the fuel you would normally burn during that period. Since lowered night temperature is usually maintained one-third of the time, this results in an over-all fuel saving of between 10 and 15 per cent. This amount, based on an average winter's fuel bill, will more than pay for the slight added cost of the *Da-Nite Acra-therm* the first heating season that it is in control. From then on this actual fuel saving will be money in your pocket.



COMFORT (LEVELED HEAT)

All too frequently last winter you were either too hot or too cold. If a conventional type thermostat controlled your heating system, it really could not be blamed for this condition. Its function was strictly limited to calling for heat or no heat. Had this control resulted in a room temperature variance of only about two degrees, you would have been comfortable . . . but let's see what actually happened. The ordinary thermostat has no control over the entire heating system and cannot in any way take into consideration the

Savings the first year will more than offset its slightly higher cost.

varying outside weather conditions, which naturally affect the necessary heat input to your home. By the time the conventional thermostat calls for more heat, your heating system is cold. It then takes a considerable time for the temperature in the heating plant to rise sufficiently to deliver heat to the rooms. During that period you are uncomfortably cold. Sometime later the room temperature has been sufficiently raised to satisfy the conventional thermostat, and the automatic burner is shut off . . . but so much heat has been accumulated that excess heat continues to be supplied to your rooms. The thermostat may have been set for 70 degrees, but the room temperature possibly varied from 66 degrees to 76 degrees.

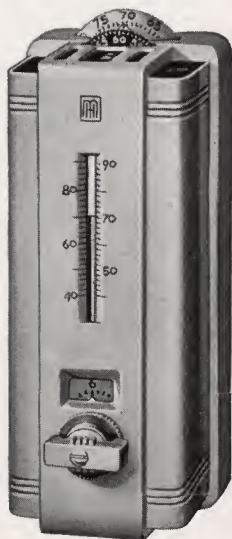
Due to the M-H Heat Acceleration principle, the *Da-Nite Acratherm* corrects these conditions. It converts your heating system into a reservoir from which heat flows as it is required and only in the volume necessary to maintain a practically constant predetermined room temperature. In other words, with the *Da-Nite Acratherm* in command the heating system always contains some heat . . . if not sufficient to supply the demand, the burner will start and will be permitted to run just long enough to replace the heat loss which has occurred. In mild weather when the demand is slight, the burner will be idle for extended periods, and as more severe weather arrives, the burner will operate with greater frequency. Thus properly regulated burner operation in all types of weather automatically eliminates the discomforts of being either too hot or too cold.

The *Da-Nite Acratherm* is not new or untried in principle. It is a combination instrument comprising the original Acratherm and the Time-O-Stat, several hundred thousand of which instruments have been in use over a period of years, delivering perfect temperature control. The *Da-Nite Acratherm* costs very little more than the original ACRATHERM, and actually less than the combination of the two original instruments.

Comfort and Convenience

As clearly shown in the illustration, the *Da-Nite Acratherm* has two temperature indicating dials at the top of the instrument. The silver dial is set for your required daytime temperature, while the black dial indicates the lower temperature level for night control. Near the bottom of the instrument is a winding knob and time-setting dial. Just before you retire, it is only necessary to turn the time-setting dial so that the indicator just above the knob points to the time at which you retire, then the winding knob is turned until this indicator registers the time the burner is to start bringing up the temperature in the morning. At that predetermined time the temperature control in your home will be automatically returned to the daytime temperature level and will allow ample time for the lowered night temperature to return to the daytime level before you or your family are up and around.

You can't afford to be without *Da-Nite Acratherm* control. It is Minneapolis-Honeywell's latest development in both engineering and modern design.



DA-NITE ACRATHERM

MINNEAPOLIS-HONEYWELL REGULATOR CO.
MINNEAPOLIS • MINNESOTA

● CONTROLS
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**MODERN APPLIANCE AND
SUPPLY CO., Inc.**
4300 Washington Avenue
New Orleans, La.

FORM SA 738 300M 5-38

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